

# Oughta Cost System

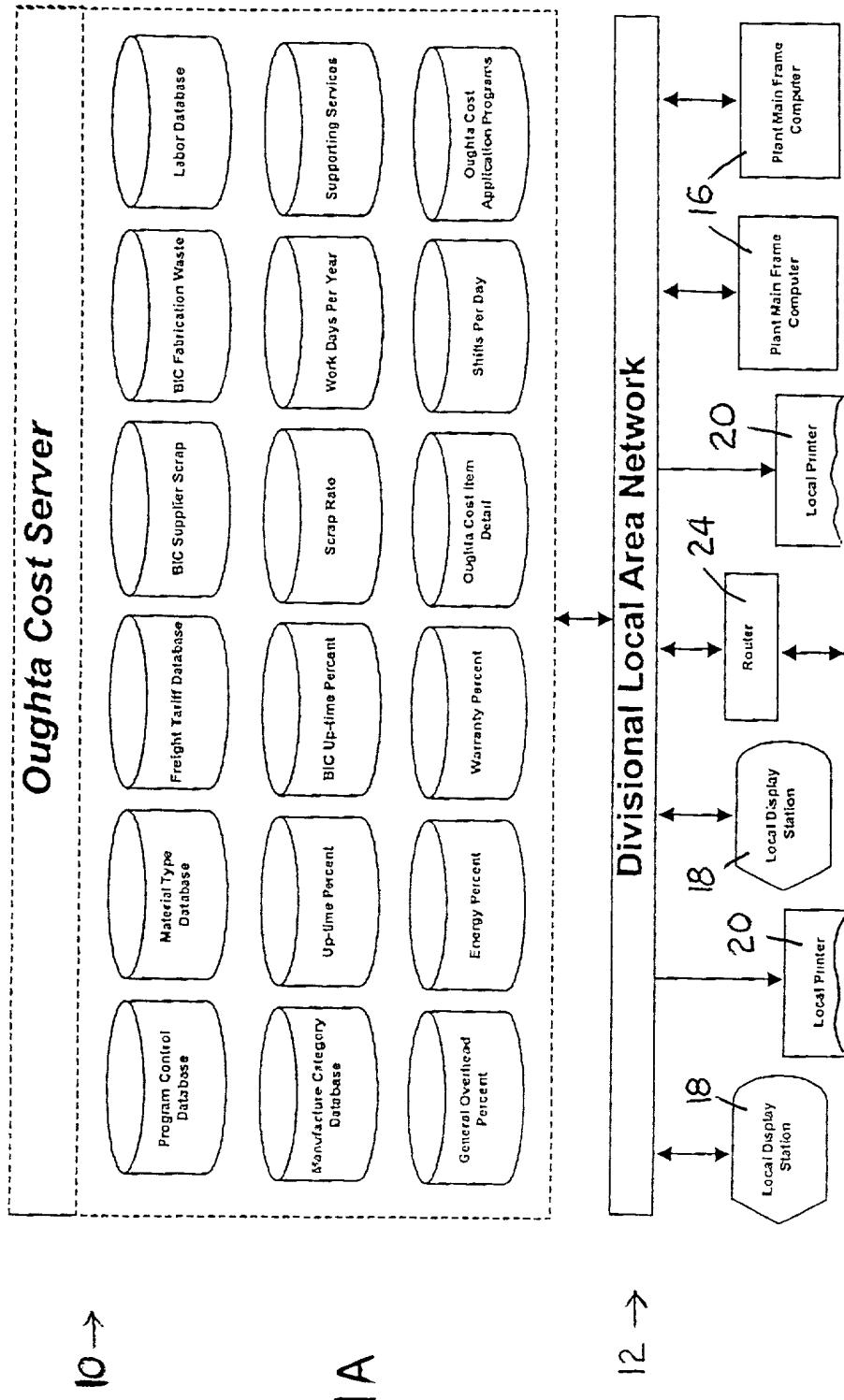


Fig 1A



◀ ▶

# Oughta Cost System

Oughta Cost Search | New Crankshaft

**Existing Oughta Cost Studies**

Program #	Description	Status	Owner
01122000001	New Crankshaft	Public	Ray Gross
10292000002	Machine New Head	Private	Bill Warren
01222001004	New Core Assembly Process	Public	Gary Denklauf

◀ ▶

**Name of New Oughta Cost Study**

Copy An Existing Study | Create New Study

Open Study Reports Exit

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FIG 2

FIG 3

Program # 02010100001   Component: Shaft   Component # 100   Status: Public			
<b>Material</b>	Material Type <input checked="" type="checkbox"/> Steel Forging <input type="checkbox"/> Supplier Scrap:	Supplier Scrap:	
Cast Components	Fabrication Waste:  <b>Freight</b>	Light Needed  Origin Destination Mode	Serial Cost Cost VAT Returnable Containers Dunnage
-Material	5.00% 5.10% 5.20% 5.30% 5.40% 5.50% 5.60% 5.70% 5.80% 5.90%		
-Capital			
-Labor			
-Manufacturing			
-Overhead			
Reporters			
Home			
Exit			
<b>Materials Table</b>			
Material Code	Unit of Measure	Category	Description
1-112-A	Ton	Forging	Steel Forging
<b>Comments</b>			

FIG 4

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Program #02010100001   Component: Shaft   Component # 100   Status: Public											
<b>Material</b>	Material Type	Steel Forging									
	Supplier Scrap	5.00%									
	Fabrication Waste	5.00%									
Cost Components	-Material -Capital -Labor -Manufacturing -Overhead Reports Home Exit										
	<b>Freight</b>	Origin: New York Destination: California Mode: Truck Load Less Than Truck Load Rail Boat									
		Total Weight Needed	111								
		Total Material Cost	\$								
		Freight Cost	\$								
		Rates/CWT	\$								
		Returnable Containers									
		Dunnage									
	<b>Materials Table</b> <table border="1"> <thead> <tr> <th>Material Code</th> <th>Unit of Measure</th> <th>Category</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>1-112-A</td> <td>Ton</td> <td>Forging</td> <td>Steel Forging</td> </tr> </tbody> </table>			Material Code	Unit of Measure	Category	Description	1-112-A	Ton	Forging	Steel Forging
Material Code	Unit of Measure	Category	Description								
1-112-A	Ton	Forging	Steel Forging								
	<b>Comments</b> <div style="border: 1px solid black; height: 100px; width: 100%;"></div>										

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FIG 6

Material				Program # 020101000001   Component: Shaft   Component # 100   Status: Public			
<input checked="" type="checkbox"/>	Material Type	Steel Forging					
	Supplier Scrap:	5.00%					
	Fabrication Waste:	5.00%					
	Cost Components						
	-Material						
	-Capital						
	-Labor						
	-Manufacturing						
	-Overhead						
	Reports						
	Home						
	Exit						
<b>Freight</b>	Origin	New York	Total Weight Needed	111	Returnable Containers	<input checked="" type="checkbox"/>	
	Destination	California	Total Material Cost	\$151.06	Dunnage	<input checked="" type="checkbox"/>	
	Mode	Truck Load	Freight Cost	\$111		<input checked="" type="checkbox"/>	
			Rates/CWT	\$1.00		<input checked="" type="checkbox"/>	
<b>Materials Table</b>							
Material Code	Unit of Measure	Category	Description				
1-112-A	Ton	Forging	Steel Forging Crankshaft for 2003 model year V8				
<b>Comments</b>							
This study has only one component.							

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FIG 7

Program # 0112200001   Component Staff   Component # 123456   Status: Public					
Cost Components	Supporting Services: <input type="text" value="0%"/>	Region: <input type="text" value="North"/>			
-Material	Machining Type: <input type="text" value="Transfer Line"/>	Skill Level: <input type="text" value="Standard Machining"/>			
-Capital					
-Labor					
-Manufacturing					
-Overhead					
Reports					
Home					
Save & Exit					
	Employee Type	Number Required	Operation # (OP #)	Default Labor Rate	Employee Benefit (% of Labor Rate)
	<b>DIRECT LABOR</b>				
	Machine Operators	<input type="text" value="3"/>	<input type="text" value="10"/>	<input type="text" value="\$11.00"/>	<input type="text" value="50 %"/>
	Machine Operators	<input type="text" value="3"/>	<input type="text" value="20"/>	<input type="text" value="\$11.00"/>	<input type="text" value="50 %"/>
	Assembly Test	<input type="text" value="0"/>	<input type="text" value="1"/>	<input type="text" value="\$9.00"/>	<input type="text" value="50 %"/>
	<b>INDIRECT LABOR</b>				
	Material Handling	<input type="text" value=".5"/>	<input type="text" value="10"/>	<input type="text" value="\$8.00"/>	<input type="text" value="50 %"/>
	Shipping	<input type="text" value=".2"/>	<input type="text" value="30"/>	<input type="text" value="\$11.00"/>	<input type="text" value="50 %"/>
	Receiving	<input type="text" value=".2"/>	<input type="text" value="05"/>	<input type="text" value="\$8.00"/>	<input type="text" value="50 %"/>
	Line Stocking	<input type="text" value="1"/>	<input type="text" value="10"/>	<input type="text" value="\$7.00"/>	<input type="text" value="50 %"/>
	Material Scheduler	<input type="text" value=".25"/>	<input type="text" value="1"/>	<input type="text" value="\$6.00"/>	<input type="text" value="50 %"/>
	Inspection	<input type="text" value=".25"/>	<input type="text" value="20"/>	<input type="text" value="\$8.00"/>	<input type="text" value="50 %"/>
	Quality	<input type="text" value=".25"/>	<input type="text" value="20"/>	<input type="text" value="\$9.00"/>	<input type="text" value="50 %"/>
	Supervisor	<input type="text" value="1"/>	<input type="text" value="1"/>	<input type="text" value="\$14.00"/>	<input type="text" value="50 %"/>

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FIG 8

Capital      Program # 0112200003 | Component: Shaft | Component # 123456 | Status: Public

General Capital		Qty	Item Category	Depreciation	Capital \$
Cost Components	Building Expansion	1	Building	30 yrs	\$200,000
-Material					
-Capital					
-Labor					
Manufacturing					
-Overhead					
Reports	Add General Item				

Machining Capital		Qty	Op #	Description	Category	Capital \$	Capital Depreciation	Tooling \$	Tooling Depreciation
Cost Components	Building Expansion	1	10	Rough Machining	Machine Tool	\$25,000	5 yrs		
-Material									
-Capital									
-Labor									
Manufacturing									
-Overhead									
Reports	Add Machining Item								

Comments	
Cost Components	Add Machining Item
-Material	
-Capital	
-Labor	
Manufacturing	
-Overhead	
Reports	

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FIG 9

Manufacturing		Program # 011220000001   Component: Shaft   Component # 123456   Status: Public																									
<input checked="" type="checkbox"/>	Manufacturing Category	Transfer Line	▼																								
Uptime Current	Uptime World Class	50%	▼																								
Cost Components	Scrap Rate	51%	▼																								
-Material	Volume	52%	per □ ▶																								
-Capital		53%																									
-Labor		54%																									
-Manufacturing		100%																									
-Overhead																											
Reports	Manufacturing Time																										
Home	Work Days per Year																										
	Work Shifts per Day																										
	Work Hours per Shift																										
	Component																										
	Manufacturing Utilization																										
<table border="1"> <thead> <tr> <th colspan="4">Manufacturing Time</th> </tr> <tr> <th>Requires Manpower</th> <th>Equipment #</th> <th>Op #</th> <th>Unit of Measure</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/> Yes</td> <td><input type="checkbox"/> No</td> <td>▼</td> <td>▼</td> </tr> <tr> <td><input type="checkbox"/> Yes</td> <td><input type="checkbox"/> No</td> <td>▼</td> <td>▼</td> </tr> <tr> <td><input type="checkbox"/> Yes</td> <td><input type="checkbox"/> No</td> <td>▼</td> <td>▼</td> </tr> <tr> <td colspan="4">Add Manufacturing Time Element □ ▶</td> </tr> </tbody> </table>				Manufacturing Time				Requires Manpower	Equipment #	Op #	Unit of Measure	<input type="checkbox"/> Yes	<input type="checkbox"/> No	▼	▼	<input type="checkbox"/> Yes	<input type="checkbox"/> No	▼	▼	<input type="checkbox"/> Yes	<input type="checkbox"/> No	▼	▼	Add Manufacturing Time Element □ ▶			
Manufacturing Time																											
Requires Manpower	Equipment #	Op #	Unit of Measure																								
<input type="checkbox"/> Yes	<input type="checkbox"/> No	▼	▼																								
<input type="checkbox"/> Yes	<input type="checkbox"/> No	▼	▼																								
<input type="checkbox"/> Yes	<input type="checkbox"/> No	▼	▼																								
Add Manufacturing Time Element □ ▶																											

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FIG 10

Manufacturing		Program # 0112200001   Component: Shaft   Component # 123456   Status: Public																									
<input checked="" type="checkbox"/> Cost Components -Material -Capital -Labor -Manufacturing -Overhead Reports Home	Manufacturing Category	Transfer Line																									
	Uptime Current	50% <input type="button" value="▼"/>																									
	Uptime World Class	<input type="button" value="▼"/>																									
	Scrap Rate	<input type="button" value="▼"/>																									
	Volume	70% <input type="button" value="▼"/> 75% <input type="button" value="▼"/> 80% <input type="button" value="▼"/> 85% <input type="button" value="▼"/> 90% <input type="button" value="▼"/> 95% <input type="button" value="▼"/> 100% <input type="button" value="▼"/>																									
	<b>Manufacturing Time</b>																										
	Work Days per Year	<input type="button" value="▼"/>																									
	Work Shifts per Day	<input type="button" value="▼"/>																									
	Work Hours per Shift	<input type="button" value="▼"/>																									
	Component Manufacturing Utilization	<input type="button" value="▼"/>																									
<table border="1"> <thead> <tr> <th colspan="4">Manufacturing Time</th> </tr> <tr> <th>Requires Manpower</th> <th>Equipment #</th> <th>Op #</th> <th>Unit of Measure</th> </tr> </thead> <tbody> <tr> <td><input type="checkbox"/> Yes <input type="checkbox"/> No</td> <td><input type="button" value="▼"/></td> <td><input type="button" value="▼"/></td> <td><input type="button" value="▼"/></td> </tr> <tr> <td><input type="checkbox"/> Yes <input type="checkbox"/> No</td> <td><input type="button" value="▼"/></td> <td><input type="button" value="▼"/></td> <td><input type="button" value="▼"/></td> </tr> <tr> <td><input type="checkbox"/> Yes <input type="checkbox"/> No</td> <td><input type="button" value="▼"/></td> <td><input type="button" value="▼"/></td> <td><input type="button" value="▼"/></td> </tr> <tr> <td colspan="4" style="text-align: center;"><b>Add Manufacturing Time Element</b></td> </tr> </tbody> </table>				Manufacturing Time				Requires Manpower	Equipment #	Op #	Unit of Measure	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="button" value="▼"/>	<input type="button" value="▼"/>	<input type="button" value="▼"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="button" value="▼"/>	<input type="button" value="▼"/>	<input type="button" value="▼"/>	<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="button" value="▼"/>	<input type="button" value="▼"/>	<input type="button" value="▼"/>	<b>Add Manufacturing Time Element</b>			
Manufacturing Time																											
Requires Manpower	Equipment #	Op #	Unit of Measure																								
<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="button" value="▼"/>	<input type="button" value="▼"/>	<input type="button" value="▼"/>																								
<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="button" value="▼"/>	<input type="button" value="▼"/>	<input type="button" value="▼"/>																								
<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="button" value="▼"/>	<input type="button" value="▼"/>	<input type="button" value="▼"/>																								
<b>Add Manufacturing Time Element</b>																											

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FIG II

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Manufacturing		Program # 01122000001   Component: Shaft   Component # 123456   Status: Public	
<input checked="" type="checkbox"/>	Manufacturing Category	Transfer Line	
Uptime Current	50%	<input type="button" value="▼"/>	<input type="button" value="►"/>
Uptime World Class	90%	<input type="button" value="▼"/>	<input type="button" value="►"/>
Cost Components		<input type="button" value="▼"/>	
-Material		<input type="button" value="◀"/>	<input type="button" value="►"/>
-Capital		<input type="button" value="◀"/>	<input type="button" value="►"/>
-Labor		<input type="button" value="◀"/>	<input type="button" value="►"/>
-Manufacturing		<input type="button" value="◀"/>	<input type="button" value="►"/>
-Overhead		<input type="button" value="◀"/>	<input type="button" value="►"/>
Reports		<input type="button" value="▼"/>	
Home		<input type="button" value="◀"/>	<input type="button" value="►"/>
Work Days per Year	5.40%	<input type="button" value="▼"/>	<input type="button" value="►"/>
Work Shifts per Day	5.50%	<input type="button" value="▼"/>	<input type="button" value="►"/>
Work Hours per Shift	5.60%	<input type="button" value="▼"/>	<input type="button" value="►"/>
Component	5.80%	<input type="button" value="▼"/>	<input type="button" value="►"/>
Manufacturing Utilization	5.90%	<input type="button" value="▼"/>	<input type="button" value="►"/>
<u>Manufacturing Time</u>			
Requires Manpower	Equipment #	Op #	Unit of Measure
<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="button" value="▼"/>	<input type="button" value="►"/>
<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="button" value="▼"/>	<input type="button" value="►"/>
<input type="checkbox"/> Yes	<input type="checkbox"/> No	<input type="button" value="▼"/>	<input type="button" value="►"/>
<input type="button" value="Add Manufacturing Time Element"/>			

FIG 12

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Manufacturing		Program # 0112200001   Component: Shaft   Component # 123456   Status: Public			
<input checked="" type="checkbox"/>	Manufacturing Category	<input type="button" value="Transfer Line"/>	<input type="button" value="▼"/>		
Uptime Current	50% <input type="button" value="▼"/>				
Uptime World Class	90% <input type="button" value="▼"/>				
Scrap Rate	0% <input type="button" value="▼"/>				
Volume	10,000 per Year <input type="button" value="▼"/>				
<u>Available Manufacturing Time</u>					
Work Days per Year	240				
Work Shifts per Day	2				
Work Hours per Shift	8				
Component Manufacturing Utilization					
<u>Manufacturing Time</u>					
Requires Manpower	Equipment #	Op #	Unit of Measure	Time	Calculated Capacity
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	12345	05	<input type="button" value="▼"/>		
<input type="checkbox"/> Yes <input type="checkbox"/> No			<input type="button" value="▼"/>	sec	
<input type="checkbox"/> Yes <input type="checkbox"/> No			<input type="button" value="▼"/>	min	
			<input type="button" value="▼"/>	hour	
<input type="button" value="Add Manufacturing Time Element"/>					

FIG 13

Manufacturing		Program # 0112200001   Component: Staff   Component # 123456   Status: Public			
<input checked="" type="checkbox"/>	Manufacturing Category	Transfer Line			
Uptime Current	50%	<input type="button" value="▼"/>			
Uptime World Class	90%	<input type="button" value="▼"/>			
Scrap Rate	0%	<input type="button" value="▼"/>			
Volume	20,000	per Year	<input type="button" value="▼"/>		
-Manufacturing					
Reports Home	Work Days per Year	[240]			
Cost Components	Work Shifts per Day	[2]			
-Material	Work Hours per Shift	[8]			
-Capital	Component Manufacturing Utilization	[50%]			
-Labor					
-Manufacturing					
-Overhead					
Reports Home					
Available Manufacturing Time					
Work Days per Year	[240]				
Work Shifts per Day	[2]				
Work Hours per Shift	[8]				
Component Manufacturing Utilization	[50%]				
Manufacturing Time					
Requires Manpower	Equipment #	Op #	Unit of Measure	Time	Calculated Capacity
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	123456	05	sec <input type="button" value="▼"/>	80 86,400
<input type="checkbox"/> Yes	<input type="checkbox"/> No	246810	10	sec <input type="button" value="▼"/>	80 86,400
<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	357159	20	min <input type="button" value="▼"/>	1.3 86,400
<input type="button" value="Add Manufacturing Time Element"/>					

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FIG 14

## OverHead

Cost Components	Cost Category	Cost Description	Cost (\$)	Occurrence		
-Material						
-Capital						
-Labor						
-Manufacturing						
-Overhead						
Reports						
Exit						
<b>TOTALS</b>		<b>\$225,800</b>		<b>\$12,467</b>		
<b>Depreciation</b>						
Asset Class	# of Items	Total Capital	Depreciation Years	Annual Depreciation	Component Rate	Annual Depreciation Contributed by Component
Building	1	\$200,000	30	\$6,667	50 %	\$3,334
Tooling	10	\$800	1	\$800	100 %	\$800
Machine Tools	1	\$25,000	5	\$5,000	70 %	\$3,500
					%	
<b>TOTALS</b>		<b>\$225,800</b>		<b>\$12,467</b>		<b>\$7,634</b>
Startup Costs						
			\$20,000			
Engineering Support						
			\$10,000			
Warranty Cost (% of Sales)						
		0.1%	►			
<b>Additional Expenses</b>						
Cost Category	Cost Description	0.2%				
		0.3%				
		0.4%				
		0.5%				
Add Cost Category						
Comments						

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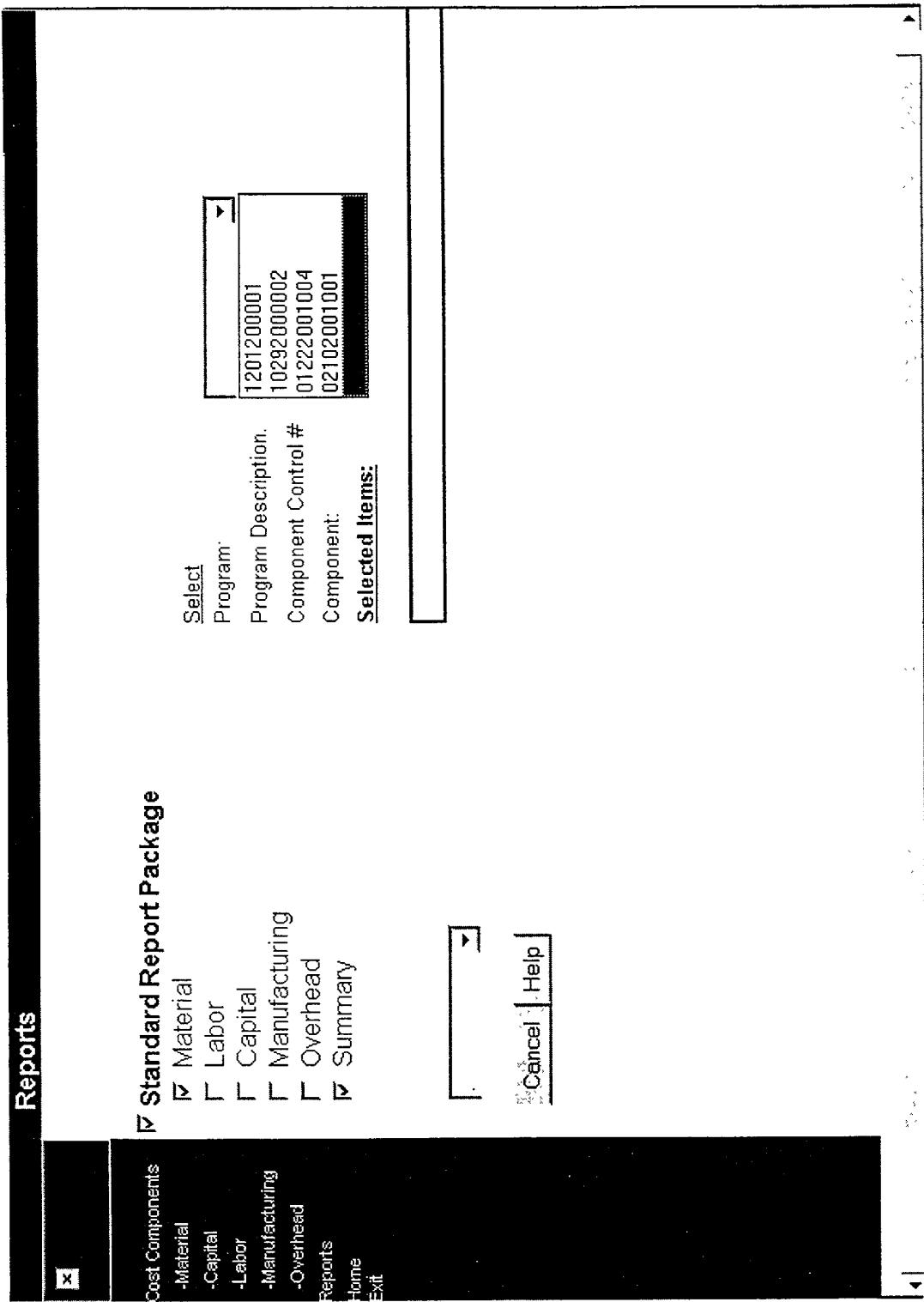


FIG 15

OverHead		Program # 01122000001   Component: Shaft   Component # 123456   Status: Public					
<u>Depreciation</u>							
Asset Class	# of Items	Total Capital	Depreciation Years	Annual Depreciation	Component Rate	Annual Depreciation Contributed by Component	
Building	1	\$200,000	30	\$6,667	50 %	\$3,334	
Tooling	10	\$800	1	\$800	100 %	\$800	
Machine Tools	1	\$25,000	5	\$5,000	70 %	\$3,500	
					%		
<b>TOTALS</b>		<b>\$225,800</b>		<b>\$12,467</b>		<b>\$7,634</b>	
Startup Costs		\$20,000					
Engineering Support		\$10,000					
Warranty Cost (% of Sales)		0.1% ▶					
<u>Additional Expenses</u>							
Cost Category	Cost Description						
▶							
▶ Pershable Tooling							
▶ MRO							
▶ General Overhead							
▶ Energy							
▶ Other							
		Comments					

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FIG 16



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Reports		
<input checked="" type="checkbox"/> <b>Standard Report Package</b> <ul style="list-style-type: none"> <li><input checked="" type="checkbox"/> Material</li> <li><input type="checkbox"/> Labor</li> <li><input type="checkbox"/> Capital</li> <li><input checked="" type="checkbox"/> Manufacturing</li> <li><input type="checkbox"/> Overhead</li> <li><input checked="" type="checkbox"/> Summary</li> </ul>	<p>Cost Components</p> <ul style="list-style-type: none"> <li>-Material</li> <li>-Capital</li> <li>-Labor</li> <li>-Manufacturing</li> <li>-Overhead</li> </ul> <p>Reports</p> <ul style="list-style-type: none"> <li>Home</li> <li>Exit</li> </ul>	
<p>Select</p> <p>Program: <input type="text" value="12012000001"/> <input type="button" value="▶"/></p> <p>Program Description: <input type="text" value="New Crankshaft"/> <input type="button" value="▶"/></p> <p>Component Control #: <input type="text" value="123456"/> <input type="button" value="▶"/></p> <p>Component: <input type="text" value="Shaft"/> <input type="button" value="▶"/></p> <p><b>Selected Items:</b></p> <p><input type="text" value="01122000001"/> <input type="text" value="New Crankshaft"/> <input type="button" value="▶"/></p> <p><input type="button" value="▶"/></p>		<p><b>Print Preview</b></p> <p><b>Print</b></p> <p><b>Export to Access</b></p> <p><b>Export to Excel</b></p> <p><b>Inquiries</b></p>

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FIG 18